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California State Board of Equalization
450 N Street, Sacramento, California

Mold Remediation – 7th Floor
Closure Report Addendum

Project No. 2372.02-572

Prepared for:
California Department of General Services
707 Third Street, 3-305
Sacramento, California 95605

Prepared by:
Chris Corpuz, MS, CIH, CAC
Senior Associate
LaCroix Davis LLC

Closure Report Date: August 10, 2010

Addendum Date: October 31, 2012

Please insert this Closure Report Addendum into the rear of the Floor 7 Closure Report

Building Environmental EHS Consulting
3685 Mt. Diablo Blvd., Ste. 210 • Lafayette, CA 94549 • p 925.299.1140 f 925.299.1185 • www.lacroixdavis.com

1.0 Introduction

On July 16, 2010, LaCroix Davis LLC (LCD) and the Department of General Services Mold Remediation Project Team completed the mold remediation activities initially scheduled for Floor 7 of the Board of Equalization (BOE) building located at 450 N Street, Sacramento, California. At the completion of these activities, a closure report for this floor was compiled by LCD to summarize key events of the project.

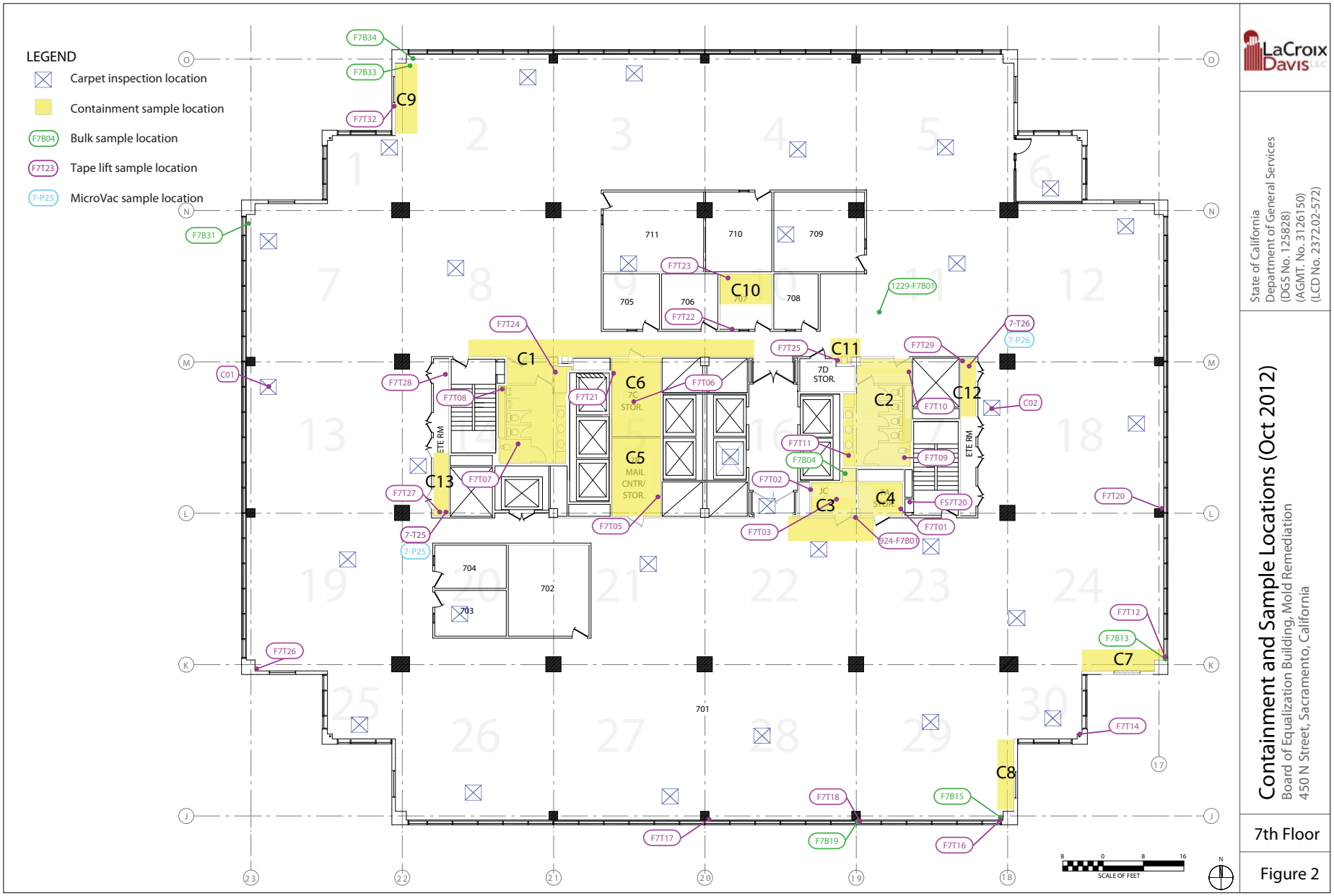
Subsequent to the completion of the closure report, a need for additional investigation and/or remediation activities was identified. Identified areas were subjected to sampling. Using a combination of surface tape lift and/or bulk samples, LCD tested stains on walls and other building materials to determine if the stains were indicative of mold growth. The sample locations are depicted in a revised Figure 2 attached to this addendum.

Any information not previously available and information documenting additional mold-related activities was compiled by LCD and included in this addendum.

2.0 Additional Activities

Additional mold-related activities performed on this floor after completion of the floor closure report include:

December 2010 Floor 7, Main Floor, North of Women's Restroom	Spill response to the area below Break Room 807 where a sink overflowed. Wet ceiling tiles and stained fireproofing were inspected and tested. The stained fireproofing was marked.
September 2011 Janitor Room	Investigation, testing, and remediation of wall materials outside the room that were impacted by a sink overflow.
October 2011 NW Fountain	Flood response to a leak from the NW water fountain. The walls behind the cove base were inspected.



LaCroix Davis LLC

State of California
Department of General Services
(DGS No. 125828)
(AGMT. No. 3126150)
(LCD No. 2372.02-572)

Containment and Sample Locations (Oct 2012)

Board of Equalization Building, Mold Remediation
450 N Street, Sacramento, California

7th Floor

Figure 2

Daily Logs

LaCroix Davis LLC
Building & Environmental Forensics

PROJECT LOG **DATE:** 12/27/10

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

LCD REPS: CD ; _____ ; _____ **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ✓ Swing ____ Weekend/Holiday ____
Project	**Board of Equalization (BOE)**	Location(s):	Floor 19 Floor ____ Floor 7 Floor 8
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold X ACM ____ LBP ____ Other ____
LCD Project # -Task	**2372.0 2 -572; SOW 5.0**	**Description:** Containments 19	
LCD Project # -Task	**2372.0 2 -572; SOW 4.0**	**Description:** Spill Response 8,7	
LCD Project # -Task	**2372.0 ____ -572; SOW ____**	**Description:** ____	

CONTAINMENT INFORMATION

1. Floor Occupied ____ Floor Vacant ✓
2. Containments: a) ____ b) ____ c) ____ d) ____ e) ____ f) ____
3. Type of Containment: NPE____ Mini____ Barrier Tape____ Minor Procedures ____ N/A ____
4. Type of Decon: Shower____ 2-Stage____ 1Stage____ Drop Sheet W/Vacuum____ None____
5. Manometer: Yes____ No____ Strip Chart Record: Yes ___ No ____ Adequate Pressure: Yes ____No ____
6. Containment Entry Log: Yes____ No____
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes___ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes___ No ___
9. Negative Air Exhaust Location: Window____ Shaft____ Stairs____ Interior ____ Exterior ____
10. Security: Owner ✓ Contractor ____ Private____ 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob____ Prep 19N Removal/Load Out___ Detail Clean____ Encapsulation___ Clearance Testing___ Tear Down___ DeMob____

Phase Completion Visual Inspection: Prep____ Removal____ Encapsulation____ Clearance____ Tear Down____

Summary: Continue to prep 19-N ; restroom build back 19-S completed today, JLS crew worked late last night at another site so only a few workers available ; will only finish unwrapping 19S today ; will start carpet removal of 19N on Tuesday afternoon at earliest.

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ____ Hazardous Waste Manifest ____

Container: 6 Mil ✓ Double 6 Mil ____ Barrel ____ Drum____ Box____ Burrito Wrap____ Labels ____ Other____

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit____ Gloves ____ Eye Protection____ Steel Toe____ Hard Hat____ Chem Apron____

Respirator: Half Face ____ Full Face ____ PAPR ____ Supplied Air____

Contractor Worker Exposure Monitoring Yes____ No ✓ # Workers Sampled 0

On-Site Visitors: 1.____ 2.____ 3.____ 4.____

LaCroix Davis Project LOG
Date: 12/27/10

PERSONAL EXPENSES:

Hotel: _____ Per Diem: _____ Travel: RT Destination: Lafayette to site

FIELD SUPPLIES: PPE: Suits _____ Gloves (pairs) _____ Respirator filters: _____ Misc: _____

LAB EXPENSES: Type/No. Samples collected: Tape _____ Bulk _____ Air _____

Laboratory Name/Location: _____

Notes

Shift 7-3:30 (normal)
0915 received a call from Joan Armstrong reporting sink overflow in Breakroom 807 → water-stained ceiling tiles on 7
WO submitted 12/24 @ 1:00 pm
grey water/black water protocol?

[Breakroom] 1800 (w/ JLS) clean counter and floor; pull cove base wipe down wall and cove base w/ Simple Green use scrubber to blow area dry and scrub air. 7th floor cubicle: extract water in carpet. use snail fan in same area. Remove wet ceiling tiles; open ceiling; inspect; direct blowers up into ceiling area

Signature Chris Copley Date 12/27/10

LaCroix Davis LLC
Building & Environmental Forensics

PROJECT LOG **DATE:** 12/29/10

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185
LCD REPS: DMI ; ; **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ✓ Swing ___ Weekend/Holiday ___
Project	**Board of Equalization (BOE)**	Location(s):	Floor 19 Floor 8 Floor 7 Floor 4
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ACM ___ LBP ___ Other ___
LCD Project # -Task	**2372.0 2 -572; SOW 5.0**	**Description:**	19 Containments
LCD Project # -Task	**2372.0 2 -572; SOW ___**	**Description:**	Construction meetings
LCD Project # -Task	**2372.0 2 -572; SOW 4.0**	**Description:**	inspect flood locations

CONTAINMENT INFORMATION

1. Floor Occupied ___ Floor Vacant ✓
2. Containments: a) 19N b) 1917 c) ___ d) ___ e) ___ f) ___
3. Type of Containment: NPE 19N Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage 19N 1Stage ___ Drop Sheet W/Vacuum ___ None ___
5. Manometer: Yes 19N No ___ Strip Chart Record: Yes 19N No ___ Adequate Pressure: Yes 19N No ___
6. Containment Entry Log: Yes 19N No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Window ___ Shaft ___ Stairs ___ Interior ✓ Exterior ___
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob ___ Prep 19N Removal/~~Load Out~~ 19N Detail Clean ___ Encapsulation ___ Clearance Testing ___ Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep 19N Removal ___ Encapsulation ___ Clearance ___ Tear Down ___

Summary: Complete prep 19N - to 11:00 AM - verify/approve
begin carpet removal - 12:00 to 15:30 observe removal & photo doc
complete Cove base removal - observe

Waste: Non-Hazardous Construction Debris ___ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ___ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ___ Gloves ___ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ___ Full Face ___ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled ϕ

On-Site Visitors: 1 Gustav ANTWI-DGS 2. Ken Firchau BPM 3. 1 4. ___

LaCroix Davis Project LOG
Date: 12/29/10

PERSONAL EXPENSES:

Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site (Lat 12/28 to 30) x2

FIELD SUPPLIES: PPE: Suits 1/1 Gloves (pairs) 1/1 Respirator filters: _____ Misc: _____

LAB EXPENSES: Type/No. Samples collected: Tape _____ Bulk 1 Air _____

Laboratory Name/Location: EML P&K, W. Sacto

Notes

shift 7-3:30 19N Prep & Removal p/dw
7 prep continues - ceiling poly, decon, Diff Pressure System
9:30 weekly Construction meetings - inspect 7, 8 and 4 after hrs.
prep continues 19N to 11:00 Break
11:00 check 19N containment - OIC for removal
12:00 crew begins carpet removal, East area proceeds West
(inspect remaining cove base removal w/ HTI - no issues)
suspect staining on all carpet back HTI samples various stain
13:30 Break to 13:45
13:45 - Continue removing carpet center North to West.
coordinate PM inspection w/ HTI
14:30 observe removal - photo doc 19N
15:00 Removal proceeds to West Zone - No bag/load out planned
15:30 shift completed - meet w/ HTI re inspection
16:00 of Floor 7 Fireproofing & Floor 8 Breakroom
18:00 perform F7 & F8 inspection solo
F7 - FP dry 12.0 ok - sample pending
F8 Breakroom cabinet and GB wall dry - ok reattach cove base
19:30 deliver samples to lab & COC -

Notes re: meeting FW: protocol - grey/black/BBP to CC for mod/inclusion in O&M
Floor 5 - may involve double shifts due to condensed duration.
Halon training 1/3/10
new data receive floor 5 (1/24)

Signature _____ Date 12/29/10

LaCroix Davis Building & Environmental Forensics

PROJECT LOG **DATE:** 9/21/11

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

LCD REPS: TM ; ; **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ___ Swing ✓ Weekend/Holiday ___
Project	**Board of Equalization (BOE)**	Location(s):	Floor 7 Floor 6 Floor ___ Floor ___
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ACM LBP Other
LCD Project #	**2372.0 2 -572; SOW 5.0**	**Description:** Flood Response	
LCD Project #	**2372.0 ___ -572; SOW ___**	**Description:**	
LCD Project #	**2372.0 ___ -572; SOW ___**	**Description:**	

CONTAINMENT INFORMATION

1. Floor Occupied North Floor Vacant ___
2. Containments: a) Hall@Janitor b) ___ c) ___ d) ___ e) ___ f) ___
3. Type of Containment: NPE ✓ Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage ___ 1Stage ✓ Drop Sheet W/Vacuum ___ None ___
5. Manometer: Yes ✓ No ___ Strip Chart Record: Yes ✓ No ___ Adequate Pressure: Yes ✓ No ___
6. Containment Entry Log: Yes ✓ No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Exterior ___ Window ___ Shaft ___ Exhaust Duct ___ Interior ✓
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob ✓ Prep ✓ Removal/Load Out ___ Detail Clean ___ Encapsulation ___ Clearance Testing ___ Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep ___ Removal ___ Encapsulation ___ Clearance ___ Tear Down ___

Summary: JLS mobs to Floor 7 ① determine extent of wet wall material ② determine extent of wet floor tiles ③ request additional workers - 2 for containment prep and work 2 for carpet

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ✓ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage area

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ___ Full Face ___ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled ___

On-Site Visitors: 1. ___ 2. ___ 3. ___ 4. ___

LaCroix Davis Project LOG
Date: 9/21 & 9/22

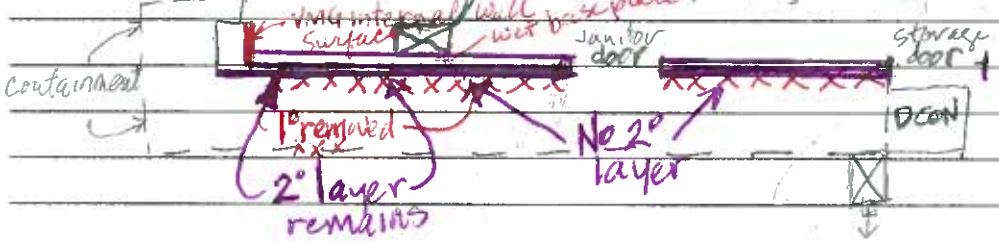
PROJECT EXPENSES: Hotel: ___ Per Diem: ✓ Travel: ✓ Destination: Lafto site RT

FIELD SUPPLIES: PPE: Suits _____ Gloves (pairs) _____ Respirator filters: _____ Misc: _____

LAB: Type/No. Samples collected: Tape _____ Bulk _____ Air _____
Laboratory Name/Location: _____

Notes

1800 mob to Floor 7 - define extent of water impacted material
2000 begin containment of Hall at Janitor Room
begin removing all carpet tile (wet under tile) and scrape wet adhesive + blistering; install air movers to dry backside of carpet tiles and exposed concrete.
21:00 Scraping adhesive continues
prep/containment continues to 21:50 (major wall penetration protocol
22:00 requires containment to open suspect walls (all core walls)
22:30 continue scraping adhesive and prepare to work in containment. remove cove base and first layer of Gypsum Board on wet areas to allow drying of 2nd layer



23:00 cleanup/vacuum and detail cleaning in containment
carpet tiles are dry - begin applying new adhesive to concrete allow adhesive to cure prior to installing floor tile.
00:00 Seal wall cavities in containment -
perform final cleanup then install air dryers to dry 2° GB and other IFM layers of GB in interstitial spaces and clamp F inspect surfaces - test for moisture content 9/22 PM
clearance tentatively SAT AM

Signature _____ Date _____

LaCroix Davis
Building & Environmental Forensics

PROJECT LOG **DATE:** 9/23/11

LACROIX DAVIS LLC
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LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185
LCD REPS: TM1 ; ; **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ___ Swing ✓ Weekend/Holiday ___
Project	**Board of Equalization (BOE)**	Location(s):	Floor 7 Floor 6 Floor 1 Floor ___
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ACM LBP Other
LCD Project #	**2372.0 2 -572; SOW 5.0**	**Description:**	Floor 1 Kitchen East-West Hallway
LCD Project #	**2372.0 2 -572; SOW 4.0**	**Description:**	
LCD Project #	**2372.0 ___ -572; SOW ___**	**Description:**	

CONTAINMENT INFORMATION

1. Floor Occupied 7, 6, 1 Floor Vacant ___
2. Containments: a) F7 - Cores b) F1 Kitch Hall c) ___ d) ___ e) ___ f) ___
3. Type of Containment: NPE a, b Mini ___ Barrier Tape ___ Minor Procedures ___ N/A ___
4. Type of Decon: Shower ___ 2-Stage ___ 1Stage a, b Drop Sheet W/Vacuum ___ None ___
5. Manometer: Yes ✓ No ___ Strip Chart Record: Yes ✓ No ___ Adequate Pressure: Yes ✓ No ___
6. Containment Entry Log: Yes ✓ No ___
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No ___
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No ___
9. Negative Air Exhaust Location: Exterior ___ Window ___ Shaft ___ Exhaust Duct ___ Interior ✓
10. Security: Owner ✓ Contractor ___ Private ___ 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob b Prep b Removal/Load Out b Detail Clean b Encapsulation b Clearance Testing ___ Tear Down ___ DeMob ___

Phase Completion Visual Inspection: Prep b Removal b Encapsulation b Clearance ___ Tear Down ___

Summary: 1600 - meet w/ JLS and discuss Floor 1 work plan inspect Floor 7 moisture content GB = OK', FP = marginal continue dehumidification and re-check at shift conclusion empty condensate bucket (5 Gal) prep underway Floor 1 Kitchen E-W Hallway

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ___ Hazardous Waste Manifest ___

Container: 6 Mil ___ Double 6 Mil ✓ Barrel ___ Drum ___ Box ___ Burrito Wrap ___ Labels ___ Other ___

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection ___ Steel Toe ___ Hard Hat ___ Chem Apron ___

Respirator: Half Face ✓ Full Face ___ PAPR ___ Supplied Air ___

Contractor Worker Exposure Monitoring Yes ___ No ✓ # Workers Sampled ___

On-Site Visitors: 1. M. Hoy 2. ___ 3. ___ 4. ___

LaCroix Davis Project LOG
Date: 9/23/11 and 9/24/11

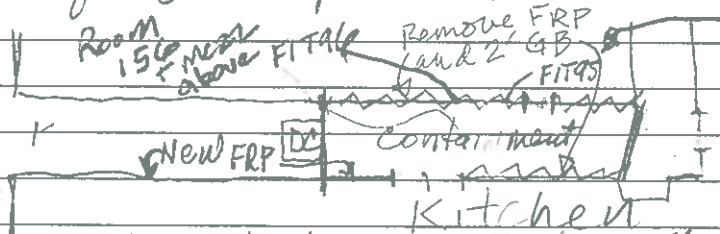
PROJECT EXPENSES: Hotel: √ Per Diem: √ Travel: √ Destination: BOE to Lab RT

FIELD SUPPLIES: PPE: Suits 2 Gloves (pairs) 2 Respirator filters: _____ Misc: _____

LAB: Type/No. Samples collected: Tape 2 Bulk _____ Air _____
Laboratory Name/Location: EMLP&K

Notes

1800 - meet w/ JLS super & review Floor 1 Kitchen E-W Hallway work plan - Crew 4 will perform 30' (± ½ of E-W Hall)
1830 test floor 7 materials - GB dry, FP marginal / area continue dehumidifier
1900 meet w/ LS and M Hoy re: Floor 7 firewall issue decide to install GB wall thru shaft
Contact GS - he will send Pedro to rebuild GB
Meanwhile I am will have Rufa paint all clean/dry GB with Encap.
19:45 Pedro onsite - begins prep for Floor 7 GB rebuild
20:15 Encap completed and drying
Floor 1 removal completed and ready for bag out
21:00 begin cleanup and some detail cleaning



21:50 break - No stains in North wall cavity. 2 minor stains S Wall cavity
22:30 check Floor 7 Containment FP Moisture Content.
FP at base small area will require more drytime
Detail cleaning underway Floor 7 Containment
Detail cleaning underway Floor 1 containment
23:55 Detail cleaning completed Floor 7 Containment
00:30 Detail cleaning resumes Floor 1 Containment
9/24/11 11:30 AM Mob to site collect samples - air + bulk test FP Moisture content. Sample COC and deliver to lab. Review report and generate memo.

Signature _____ Date 9/24/11

LaCroix Davis
Building & Environmental Forensics

PROJECT LOG **DATE:** 10/24/11

LACROIX DAVIS LLC
3685 MT. DIABLO BLVD. SUITE 210
LAFAYETTE, CA 94549
TEL 925-299-1140 FAX 925-299-1185

LCD REPS: M ; ; **PAGE** 1 **OF** 2

Client	**Department of General Services (DGS)**	Contractor: **JLS Environmental**	Day ✓ Swing ✓ Weekend/Holiday
Project	**Board of Equalization (BOE)**	Location(s):	Floor 24 Floor 7 Floor Floor
Building	**450 N Street, Sacramento CA**	Compound(s) of Concern	Mold ✓ ACM LBP Other
LCD Project #	**2372.02-572; SOW 8.0**	**Description:**	Floor 7 fountain flood
LCD Project #	**2372.02-572; SOW 6.0**	**Description:**	Floor plans
LCD Project #	**2372.02-572; SOW 8.0**	**Description:**	VCT assessment

CONTAINMENT INFORMATION

1. Floor Occupied ✓ Floor Vacant
2. Containments: a) Fountain 7 b) c) d) e) f)
3. Type of Containment: NPE ✓ Mini Barrier Tape Minor Procedures N/A
4. Type of Decon: Shower 2-Stage 1Stage ✓ Drop Sheet W/Vacuum None
5. Manometer: Yes ✓ No Strip Chart Record: Yes ✓ No Adequate Pressure: Yes ✓ No
6. Containment Entry Log: Yes ✓ No
7. Containment and Decon maintained in accordance with accepted practices and procedures: Yes ✓ No
8. HEPA Fans and Vacuums have current aerosol challenge test sticker: Yes ✓ No
9. Negative Air Exhaust Location: Exterior Window Shaft Exhaust Duct Interior ✓
10. Security: Owner ✓ Contractor Private 24 hour ✓ Secure Building ✓

SUMMARY OF ACTIVITIES

Mob ✓ Prep ✓ Removal/Load Out ✓ Detail Clean ✓ Encapsulation ✓ Clearance Testing ✓ Tear Down ✓ DeMob ✓

Phase Completion Visual Inspection: Prep ✓ Removal ✓ Encapsulation ✓ Clearance Tear Down

Summary: Remove carpet Test walls, remove adhesive, construct containment. Remove layers of sheetrock - test FP observe VNEs on Shaft board. clean & paint shaft rebuild walls (1" overlap on double layers) final clean and deliver to lab. Tear down containment install new floor adhesive and leveler - Remspect VCT 24 to 19 w/ M Hong

Waste: Non-Hazardous Construction Debris ✓ Hazardous Waste ✓ Hazardous Waste Manifest

Container: 6 Mil Double 6 Mil ✓ Barrel Drum Box Burrito Wrap Labels Other

Location of Dumpster: Floor 1 SW Garage

Additional Worker PPE: Disposable Suit ✓ Gloves ✓ Eye Protection Steel Toe Hard Hat Chem Apron

Respirator: Half Face ✓ Full Face PAPR Supplied Air

Contractor Worker Exposure Monitoring Yes No ✓ # Workers Sampled

On-Site Visitors: 1. M Hong 2. 3. 4.

LaCroix Davis Project LOG
Date: 10/24 - 10/25

PROJECT EXPENSES: Hotel: ✓ Per Diem: ✓ Travel: ✓ Destination: site ≠ lab

FIELD SUPPLIES: PPE: Suits ✓ Gloves (pairs) ✓ Respirator filters: 2 Misc: _____

LAB: Type/No. Samples collected: Tape _____ Bulk _____ Air 4
Laboratory Name/Location: /

Notes

7:30 Scan M & PH to AS
review floor plans
11 meet w/ LS re: Floor 7 Water fountain, flood protocol
14 plu Hilti penetration brushets
18 meet JLS, HTT, DGS for Floor 7 demo
determine extent of water impact
remove carpet and prep containment
test floor '24C pH prior to VCT installation
19 inspect VCT floors 24 & 19 w/ M. Hay
20:30 containment complete and ready for demo
determine extent of demo all layers
test moisture content GB & FP w/ HTT
21:30 Room cleanup and rebuild
00:30 complete rebuild and final cleaning to 01:00
01:00 perform clearance testing w/ KT
01:

Signature _____ Date 10/25/11

Laboratory Reports

When quality and accuracy are critical.

9/26/2012

LaCroix Davis, LLC
3685 Mt. Diablo Blvd. Suite 210
Lafayette, CA 94549

To Whom It May Concern:

The following data qualifier is reported for all samples in which prior to the release, the replicate quality control sample was not completed:

"Analysis of replicate sample is delayed."

In all instances where this data qualifier was reported for LaCroix Davis, LLC projects "DGS-BOE", all replicate samples have since been analyzed and quality control reviews have been completed. All reported data should therefore be considered accurate and final.

Please feel free to contact me if you have any further questions in this regard.

Sincerely,

Dr. Kamashwaran Ramanathan
Laboratory Director

EMLab P&K

Report for:

Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
LaCroix Davis, LLC
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 7 Water
EML ID: 738247

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Direct microscopic exam (Qualitative): 12-30-2010

Service SOPs: Direct microscopic exam (Qualitative) (I100005)

Document Number: 200091 - Revision Number: 5

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Mr. Ashley McKinley, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 7 Water

Date of Sampling: 12-29-2010
Date of Receipt: 12-30-2010
Date of Report: 12-30-2010

DIRECT MICROSCOPIC EXAMINATION REPORT

(Wet Mount)

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3267843-1: Bulk sample 2372-1229-F7-B01: FP stain at cube 164				
Miscellaneous debris	Very few	None	None	Normal trapping

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

CHAIN OF CUSTODY EMLab P&K

www.EMLabPK.com

Cherry Hill, NJ: 1936 Olney Avenue, Cherry Hill, NJ 08003 • (866) 871-1984
Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 • (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

000738247

WEATHER	Fog	Rain	Snow	Wind	Clear
None	X	X	X		
Light					
Moderate				X	
Heavy					

CONTACT INFORMATION

Company: LaCroix Davis, LLC
Contact: C. Corpuz; T. Ice; A. Steinbach, A. McKinley
Phone: 925-299-1140
Address: 3685 Mt. Diablo Blvd. Ste 210
Special Instructions: email contacts

PROJECT INFORMATION

Project ID: DGS - BOE
Project Desc.: Floor 7 Water
Project Zip Code:
Sampling Date & Time: 12/29/10 19:00
PO Number: 2372.02-572

TURNAROUND TIME CODES (TAT)

- STD - Standard (DEFAULT)
- ND - Next Business Day
- SD - Same Business Day Rush (circled)
- WH - Weekend/Holiday

Rushes received after 2pm or on weekends will be considered received the next business day. Please alert us in advance of weekend analysis needs.

REQUESTED SERVICES

Non-Culturable: Spore Trap; Tape Swab Bulk
Culturable: BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate
Other Requests

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	Total Coliform, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MPN Bacteria (Please specify organism)	QuantiTray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCR (please specify test)	
2372.1229.F7B01	FP Stain at Cube 164	B	SD	—	below Break Rm 807			X															

SAMPLE TYPE CODES

BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust
A15 - Andersen		SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
Theom Ta	12/29/10 19:30	Drop Box	
		[signature]	12/30/10 @ 815 AM

EMLab P&K
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Report for:

Mr. Chris Corpuz, Mr. Ted Ice
LaCroix Davis, LLC
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 7 Flood Response
EML ID: 834604

Approved by:

Lab Manager
Malcolm Moody

Dates of Analysis:
Direct microscopic exam (Qualitative): 09-24-2011

Service SOPs: Direct microscopic exam (Qualitative) (1039)

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice
Re: DGS-BOE; Floor 7 Flood Response

Date of Sampling: 09-24-2011
Date of Receipt: 09-24-2011
Date of Report: 09-24-2011

DIRECT MICROSCOPIC EXAMINATION REPORT

Background Debris and/or Description	Miscellaneous Spores Present*	MOLD GROWTH: Molds seen with underlying mycelial and/or sporulating structures†	Other Comments††	General Impression
Lab ID-Version‡: 3704372-1, Analysis Date: 09/24/2011: Bulk sample 2372-924-F7B01: Fire Proofing Stain Floor 7				
Miscellaneous debris	Very few	None	None	Normal trapping
Lab ID-Version: 3704373-1, Analysis Date: 09/24/2011: Bulk sample 2372-924-F7B02: Fire Proofing Stain Floor 6				
Miscellaneous debris	Very few	None	None	Normal trapping

* Indicative of normal conditions, i.e. seen on surfaces everywhere. Includes basidiospores (mushroom spores), myxomycetes, plant pathogens such as ascospores, rusts and smuts, and a mix of saprophytic genera with no particular spore type predominating. Distribution of spore types seen mirrors that usually seen outdoors.

† Quantities of molds seen growing are listed in the MOLD GROWTH column and are graded 1+ to 4+, with 4+ denoting the highest numbers.

†† Some comments may refer to the following: Most surfaces collect a mix of spores which are normally present in the outdoor environment. At times it is possible to note a skewing of the distribution of spore types, and also to note "marker" genera which may indicate indoor mold growth. Marker genera are those spore types which are present normally in very small numbers, but which multiply indoors when conditions are favorable for growth.

‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

000834604

WEATHER	Fog	Rain	Snow	Wind	Clear
LEVEL None					
Light				X	
Moderate					/
Heavy					

CONTACT INFORMATION

Company: LaCroix Davis LLC
Address: 3685 Mt. Diablo Blvd., Lafayette, CA 94549
Contact: C.Corpuz, T.Ice, A.Steinbach
Special Instructions: Please email results to contacts.
Phone: 925-299-1140

PROJECT INFORMATION

Project ID: DGS-BOE
Project Desc.: Floor 7 Flood Response
Project Zip Code:
Sampling Date & Time: 9/24/11 1200
PO Number: 2372.02-572

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

REQUESTED SERVICES (✓)

Non-Culturable: Spore Trap; Tape Swab Bulk
Culturable: BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate
Other Requests

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Culturable Air and Surface Bacteria	Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	Total Coliform, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MPN Bacteria (Please specify organism)	QuantiTray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCR (please specify test)
2372-924-F7A11	Floor 7 Ambient Scan	ST	WH	75	12:32	X																		
2372-924-F7A12	Floor 7 Containment Janitor	ST	WH	75	1	X																		
2372-924-F7A13	Exterior NE	ST	WH	75	13:45	X																		
2372-924-F7B01	Fireproofing stain Floor 7 B	WH		—	at Janitor Room Base			X																
2372-924-F0B02	Fireproofing stain Floor 6 B	WH		—	at Janitor Room Desk			X																

SAMPLE TYPE CODES

BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust
A15 - Andersen		SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
[signature]	9/24/11 1400	[signature]	9/24/11 1400

EMLab P&K
A TestAmerica Company

Report for:

Mr. Chris Corpuz, Mr. Ted Ice
LaCroix Davis, LLC
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 7 Flood Response
EML ID: 834604

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 09-26-2011

Service SOPs: Spore trap analysis (1038)
AIHA accredited service

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice
Re: DGS-BOE; Floor 7 Flood Response

Date of Sampling: 09-24-2011
Date of Receipt: 09-24-2011
Date of Report: 09-24-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-924-F7A11: Floor 7 Ambient S Core Hall		2372-924-F7A12: Floor 7 Containment Janitor		2372-924-F7A13: Exterior NW	
Comments (see below)	None		None		None	
Lab ID-Version‡:	3704374-2		3704375-2		3704376-2	
Analysis Date:	09/26/2011		09/26/2011		09/26/2011	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria					5	67
Ascospores					7	370
Basidiospores			1	53	3	160
Chaetomium						
Cladosporium			1	53	67	3,600
Epicoccum					1	13
Fusarium						
Myrothecium						
Nigrospora					1	13
Oidium					4	53
Other colorless						
Penicillium/Aspergillus types†					3	160
Pithomyces						
Rusts					6	80
Smuts, Periconia, Myxomycetes					29	390
Stachybotrys						
Stemphylium						
Torula						
Ulocladium						
Zygomycetes						
Background debris (1-4+)††	< 1+		1+		2+	
Hyphal fragments/m3	< 13		< 13		190	
Pollen/m3	13		13		2,100	
Skin cells (1-4+)	< 1+		1+		< 1+	
Sample volume (liters)	75		75		75	
§ TOTAL SPORES/m3		< 13		110		4,900

Comments:

Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.

The analytical sensitivity is the spores/m3 divided by the raw count. The limit of detection is the analytical sensitivity multiplied by the sample volume divided by 1000.

For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice
Re: DGS-BOE; Floor 7 Flood Response

Date of Sampling: 09-24-2011
Date of Receipt: 09-24-2011
Date of Report: 09-24-2011

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 2372-924-F7A13, Exterior NW

Fungi Identified	Outdoor data	Typical Outdoor Data for: September in California (n‡=12849)†						Typical Outdoor Data for: The entire year in California (n‡=158505)†					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	67	13	13	27	53	93	61	13	13	27	67	100	56
Bipolaris/Drechslera group	-	7	13	13	27	53	20	7	13	13	27	40	13
Chaetomium	-	8	13	13	27	53	27	8	13	13	27	44	19
Cladosporium	3,600	200	320	850	2,200	3,600	99	110	210	640	1,700	2,800	97
Curvularia	-	7	13	13	40	53	16	7	13	13	27	53	6
Epicoccum	13	7	13	13	27	53	21	8	13	13	27	53	19
Nigrospora	13	10	13	13	40	93	18	7	13	13	27	53	8
Penicillium/Aspergillus types	160	53	110	280	750	1,200	91	53	110	210	600	1,000	86
Stachybotrys	-	7	13	13	27	53	5	7	13	13	33	67	5
Torula	-	8	13	13	40	60	14	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	370	13	33	80	210	330	68	22	53	110	330	670	72
Basidiospores	160	40	67	190	480	830	94	53	80	270	1,000	2,400	94
Oidium	53	8	13	13	40	53	15	13	13	13	40	75	19
Rusts	80	8	13	13	40	67	26	13	13	13	50	80	27
Smuts, Periconia, Myxomycetes	390	13	13	40	110	190	75	13	13	40	110	190	69
§ TOTAL SPORES/m3	4,900												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

Interpretation of the data contained in this report is left to the client or the persons who conducted the field work. This report is provided for informational and comparative purposes only and should not be relied upon for any other purpose. "Typical outdoor data" are based on the results of the analysis of samples delivered to and analyzed by EMLab P&K and assumptions regarding the origins of those samples. Sampling techniques, contaminants infecting samples, unrepresentative samples and other similar or dissimilar factors may affect these results. In addition, EMLab P&K may not have received and tested a representative number of samples for every region or time period. EMLab P&K hereby disclaims any liability for any and all direct, indirect, punitive, incidental, special or consequential damages arising out of the use or interpretation of the data contained in, or any actions taken or omitted in reliance upon, this report.

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San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 • (866) 888-6653

000834604

WEATHER	Fog	Rain	Snow	Wind	Clear
LEVEL None					
Light				X	
Moderate					/
Heavy					

CONTACT INFORMATION

Company: LaCroix Davis LLC
Address: 3685 Mt. Diablo Blvd., Lafayette, CA 94549
Contact: C.Corpuz, T.Ice, A.Steinbach
Special Instructions: Please email results to contacts.
Phone: 925-299-1140

PROJECT INFORMATION

Project ID: DGS-BOE
Project Desc.: Floor 7 Flood Response
Project Zip Code:
Sampling Date & Time: 9/24/11 1200
PO Number: 2372.02-572

TURN AROUND TIME CODES - (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends, will be considered received the next business day. Please alert us in advance of weekend analysis needs.

REQUESTED SERVICES (✓)

Non-Culturable: Spore Trap; Tape Swab Bulk
Culturable: BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate
Other Requests

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Culturable Air and Surface Bacteria	Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	Total Coliform, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MPN Bacteria (Please specify organism)	QuantiTray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCR (please specify test)
2372-924-F7A11	Floor 7 Ambient Scan	ST	WH	75	12:32	X																		
2372-924-F7A12	Floor 7 Containment Janitor	ST	WH	75	1	X																		
2372-924-F7A13	Exterior NE	ST	WH	75	13:45	X																		
2372-924-F7B01	Fireproofing stain Floor 7 B	WH		—	at Janitor Room Base			X																
2372-924-F0B02	Fireproofing stain Floor 6 B	WH		—	at Janitor Room Desk			X																

SAMPLE TYPE CODES

BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust
A15 - Andersen		SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
[signature]	9/24/11 1400	[signature]	9/24/11 1400

EMLab P&K

Report for:

Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
LaCroix Davis, LLC
3685 Mt. Diablo Blvd.
Suite 210
Lafayette, CA 94549

Regarding: Project: DGS-BOE; Floor 7 NW Fountain
EML ID: 847256

Approved by:

Lab Manager
Malcolm Moody

REVISED REPORT

Dates of Analysis:
Spore trap analysis: 10-31-2011

Service SOPs: Spore trap analysis (1038)

For clarity, we report the number of significant digits as calculated; but, due to the nature of this type of biological data, the number of significant digits that is used for interpretation should generally be one or two. All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. Due to the nature of the analyses performed, field blank correction of results is not applied. The results relate only to the items tested.

EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Document Number: 200091 - Revision Number: 5

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 7 NW Fountain

Date of Sampling: 10-25-2011
Date of Receipt: 10-25-2011
Date of Report: 10-25-2011

SPORE TRAP REPORT: NON-VIABLE METHODOLOGY

Location:	2372-1025-F7A01: Exterior SW		2372-1025-F7A02: Floor 7 Ambient		2372-1025-F7A03: Floor 7 Fountain Cont		2372-1025-F7A04: Exterior NE	
Comments (see below)	None		None		None		None	
Lab ID-Version‡:	3758881-2		3758882-2		3758883-2		3758884-2	
	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3	raw ct.	spores/m3
Alternaria	3	40	1	13			3	40
Arthrinium								
Ascospores*	3	160					7	370
Aureobasidium								
Basidiospores*	15	800	1	53			30	1,600
Bipolaris/Drechslera group	1	13						
Botrytis	1	13						
Chaetomium								
Cladosporium	81	4,300					119	6,300
Curvularia								
Epicoccum	1	13	1	13			1	13
Myrothecium								
Nigrospora							2	27
Other brown							1	13
Other colorless								
Penicillium/Aspergillus types†	16	850					6	320
Rusts*	2	27	1	13			2	27
Smuts*, Periconia, Myxomycetes*	1	13	2	27	1	13	2	27
Stachybotrys								
Stemphylium								
Torula	1	13						
Zygomycetes								
Background debris (1-4+)††	1+		3+		2+		1+	
Hyphal fragments/m3	27		13		< 13		< 13	
Pollen/m3	< 13		< 13		< 13		27	
Skin cells (1-4+)	< 1+		1+		< 1+		< 1+	
Sample volume (liters)	75		75		75		75	
§ TOTAL SPORES/m3		6,300		120		13		8,800

Comments:
Spore types listed without a count or data entry were not detected during the course of the analysis for the respective sample.
* Most of these spore types are not seen with culturable methods (Andersen sampling), although some may appear as non-sporulating fungi. Most of the basidiospores are "mushroom" spores while the rusts and smuts are plant pathogens.
† The spores of *Aspergillus* and *Penicillium* (and others such as *Acremonium*, *Paecilomyces*) are small and round with very few distinguishing characteristics. They cannot be differentiated by non-viable sampling methods. Also, some species with very small spores are easily missed, and may be undercounted.
††Background debris indicates the amount of non-biological particulate matter present on the trace (dust in the air) and the resulting visibility for the analyst. It is rated from 1+ (low) to 4+ (high). Counts from areas with 4+ background debris should be regarded as minimal counts and may be higher then reported. It is important to account for samples volumes when evaluating dust levels.
The Limit of Detection is the product of a raw count of 1 and 100 divided by the percent read. The analytical sensitivity (counts/m3) is the product of the Limit of Detection and 1000 divided by the sample volume.
For more information regarding analytical sensitivity, please contact QA by calling the laboratory.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".
§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

EMLab P&K
880 Riverside Parkway, West Sacramento, CA 95605
(866) 888-6653 Fax (650) 829-5852 www.emlab.com

Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 7 NW Fountain

Date of Sampling: 10-25-2011
Date of Receipt: 10-25-2011
Date of Report: 10-25-2011

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 2372-1025-F7A01, Exterior SW

Fungi Identified	Outdoor data	Typical Outdoor Data for † October in California (n‡=13248)						Typical Outdoor Data for † The entire year in California (n‡=158505)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	40	13	13	27	73	120	61	13	13	27	67	100	56
Bipolaris/Drechslera group	13	7	13	13	27	53	18	7	13	13	27	40	13
Chaetomium	-	8	13	13	33	53	24	8	13	13	27	44	19
Cladosporium	4,300	160	360	1,100	3,100	5,500	98	110	210	640	1,700	2,800	97
Curvularia	-	7	13	13	40	76	14	7	13	13	27	53	6
Epicoccum	13	7	13	13	38	53	20	8	13	13	27	53	19
Nigrospora	-	10	13	13	40	80	20	7	13	13	27	53	8
Other brown	-	13	13	13	40	53	39	13	13	13	33	53	35
Penicillium/Aspergillus types	850	53	110	320	910	1,600	91	53	110	210	600	1,000	86
Stachybotrys	-	7	13	13	38	67	5	7	13	13	33	67	5
Torula	13	8	13	13	40	67	12	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	160	20	44	110	320	650	71	22	53	110	330	670	72
Basidiospores	800	53	100	270	1,000	2,500	94	53	80	270	1,000	2,400	94
Botrytis	13	13	13	20	53	80	14	13	13	20	53	80	19
Rusts	27	11	13	13	40	80	26	13	13	13	50	80	27
Smuts, Periconia, Myxomycetes	13	13	13	53	130	230	76	13	13	40	110	190	69
§ TOTAL SPORES/m3	6,300												

†The 'Typical Outdoor Data' represents the typical outdoor spore levels for the location and time frame indicated. The last column represents the frequency of occurrence. The very low, low, med, high, and very high values represent the 10, 20, 50, 80, and 90 percentile values of the spore type when it is detected. For example, if the frequency of occurrence is 63% and the low value is 53, it would mean that the given spore type is detected 63% of the time and, when detected, 20% of the time it is present in levels above the detection limit and below 53 spores/m3. These values are updated periodically, and if enough data is not available to make a statistically meaningful assessment, it is indicated with a dash.

§ Total Spores/m3 has been rounded to two significant figures to reflect analytical precision.

*The spores in this category are generally capable of growing on wet building materials in addition to growing outdoors. Building related growth is dependent upon the fungal type, moisture level, type of material, and other factors. *Cladosporium* is one of the predominant spore types worldwide and is frequently present in high numbers. *Penicillium/Aspergillus* species colonize both outdoor and indoor wet surfaces rapidly and are very easily dispersed. Other genera are usually present in lesser numbers.

**These fungi are generally not found growing on wet building materials. For example, the rusts and smuts are obligate plant pathogens. However, in each group there are notable exceptions. For example, agents of wood decay are members of the basidiomycetes and high counts of a single morphological type of basidiospore on an inside sample should be considered significant.

‡n = number of samples used to calculate data.

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Client: LaCroix Davis, LLC
C/O: Mr. Chris Corpuz, Mr. Ted Ice, Ms. Andrea Steinbach
Re: DGS-BOE; Floor 7 NW Fountain

Date of Sampling: 10-25-2011
Date of Receipt: 10-25-2011
Date of Report: 10-25-2011

MoldRANGE™: Extended Outdoor Comparison

Outdoor Location: 2372-1025-F7A04, Exterior NE

Fungi Identified	Outdoor data	Typical Outdoor Data for † October in California (n‡=13248)						Typical Outdoor Data for † The entire year in California (n‡=158505)					
	spores/m3	very low	low	med	high	very high	freq %	very low	low	med	high	very high	freq %
Generally able to grow indoors*													
Alternaria	40	13	13	27	73	120	61	13	13	27	67	100	56
Bipolaris/Drechslera group	-	7	13	13	27	53	18	7	13	13	27	40	13
Chaetomium	-	8	13	13	33	53	24	8	13	13	27	44	19
Cladosporium	6,300	160	360	1,100	3,100	5,500	98	110	210	640	1,700	2,800	97
Curvularia	-	7	13	13	40	76	14	7	13	13	27	53	6
Epicoccum	13	7	13	13	38	53	20	8	13	13	27	53	19
Nigrospora	27	10	13	13	40	80	20	7	13	13	27	53	8
Other brown	13	13	13	13	40	53	39	13	13	13	33	53	35
Penicillium/Aspergillus types	320	53	110	320	910	1,600	91	53	110	210	600	1,000	86
Stachybotrys	-	7	13	13	38	67	5	7	13	13	33	67	5
Torula	-	8	13	13	40	67	12	8	13	13	40	67	12
Seldom found growing indoors**													
Ascospores	370	20	44	110	320	650	71	22	53	110	330	670	72
Basidiospores	1,600	53	100	270	1,000	2,500	94	53	80	270	1,000	2,400	94
Botrytis	-	13	13	20	53	80	14	13	13	20	53	80	19
Rusts	27	11	13	13	40	80	26	13	13	13	50	80	27
Smuts, Periconia, Myxomycetes	27	13	13	53	130	230	76	13	13	40	110	190	69
§ TOTAL SPORES/m3	8,800												

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Phoenix, AZ: 1501 West Knudsen Drive, Phoenix, AZ 85027 * (800) 651-4802
San Bruno, CA: 1150 Bayhill Drive, #100, San Bruno, CA 94066 * (866) 888-6653

000847256

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light					
Moderate					
Heavy					

CONTACT INFORMATION

Company: LaCroix Davis LLC
Contact: C.Corpuz, T.Ice, A.Steinbach
Phone: 925-299-1140
Address: 3685 Mt. Diablo Blvd., Lafayette, CA 94549
Special Instructions: Please email results to contacts.

PROJECT INFORMATION

Project ID: DGS-BOE
Project Desc.: Floor 7 NW Fountain
Project Zip Code:
Sampling Date & Time: 10/25/11
PO Number: 2372.02-572

TURN AROUND TIME CODES (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
(WH) - Weekend/Holiday

Rushes received after 2pm or on weekends will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area (as applicable)	NOTES (Time of day, Temp, RH, etc.)	Fungi - Spore Trap Analysis	Spore Trap Analysis - Other particles	Direct Microscopic Exam (Qualitative)	Quantitative Spore Count Direct Exam	1-Media Surface Fungi (Genus ID + Asp. spp.)	2-Media Surface Fungi (Genus ID + Asp. spp.)	3-Media Surface Fungi (Genus ID + Asp. spp.)	Culturable Air Fungi (Genus ID + Asp. spp.)	Gram Stain and Counts (Culturable Air and Surface Bacteria)	Legionella culture	Total Coliform, E.coli (Presence/Absence)	Membrane Filtration (Please specify organism)	MPN Bacteria (Please specify organism)	QuantiTray - Sewage Screen	Asbestos Analysis - PCM Airborne Fiber Count (NIOSH 7400)	Asbestos Analysis - PLM (EPA method 600/R-93-116)	PCR (please specify test)
2372.1025.F7A01	Exterior SW	ST	WH	75	– 01:00	X																
2372.1025.F7A02	Floor 7 Ambient	ST	WH	75	– |	X																
2372.1025.F7A03	Floor 7 Fountain Cont	ST	WH	75	– |	X																
237.1025.F7A04	Exterior NE	ST	WH	75	– 01:30	X																

Requested services groups: Non-Culturable (Spore Trap; Tape, Swab, Bulk); Culturable (BioCassette™, Andersen, SAS, Swab, Water, Bulk, Dust, Soil, Contact Plate); Other Requests.

SAMPLE TYPE CODES

BC - BioCassette™	ST - Spore Trap: Zefon, Allergenco, Burkard...	T - Tape	D - Dust
A1S - Andersen		SW - Swab	SO - Soil
SAS - Surface Air Sampler	P - Potable Water	B - Bulk	
CP - Contact Plate	NP - Non-Potable Water	O - Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
[signature]	10/25/11 09:30	[illegible]	10/25/11 [illegible]